

In the Claims

1. (Currently Amended) A resource management method for managing resources in a label switching network, comprising:

retaining ~~session data about a bandwidth of an on-reservation~~ ensured by reserved sessions-session- and a bandwidth ~~of occupied by an on-communication session;~~ and

executing periodical ~~re-allocation re-setting of a each path employed by each of the reserved sessions~~ with respect to the bandwidth ~~occupied-ensured by the on-reservation session~~ reserved sessions based on the retained session data.

2. (Currently Amended) ~~The A-~~resource management method in a label switching network according to claim 1, further comprising:

recording a failure count, for a fixed period, of a link causing a failure in a reservation request in a previous period; and

fluctuating a weight of the link that tends to cause the failure ~~on the basis of~~ based on a history of the failure count.

3. (Currently Amended) ~~The A-~~resource management method in a label switching network according to claim 1, further comprising fluctuating a ~~re-setting~~ re-allocating period of the path in accordance with the reservation request failure count.

4. (Currently Amended) A reservation path optimization system for optimizing a reservation path between specified nodes configuring a network, comprising:

a reservation ~~path-setting~~ module for setting the reservation ~~path-paths~~ and a bandwidth for establishing a ~~predetermined session-sessions~~ between specified nodes; and

a reservation path ~~re-setting-re-allocating~~ module for periodically ~~re-setting-re-allocating each of the reservation path-paths for establishing each of reserved sessions set by said reservation setting module on the basis of based on the bandwidth for establishing the reserved sessions set by said reservation path-setting module.~~

5. (Currently Amended) A reservation path optimization system for optimizing a reservation path between specified nodes configuring a label switching network, comprising:

a reservation path setting module for setting the reservation ~~path paths~~ and a bandwidth for establishing a ~~predetermined session sessions~~ between specified nodes; and

a reservation path ~~re-setting re-allocating~~ module for ~~re-setting~~ periodically re-allocating ~~each of the reservation path paths~~ for establishing each of reserved sessions set by the reservation setting module based on the bandwidth for establishing the reserved session set by said reservation path-setting module.

6. (Cancelled)

7. (Currently Amended) ~~A-The~~ reservation path optimization system according to claim 5, the reservation path ~~re-setting re-allocating~~ module periodically ~~re-sets re-allocates each of the reservation path paths based on a~~ the basis of specified algorithm

8. (Currently Amended) ~~A-The~~ reservation path optimization system according to claim 4, further comprising a module for fluctuating the period.

9. (Currently Amended) ~~The~~ A reservation path optimization system according to claim 4, wherein the label switching network is an MPLS network, and the reservation ~~path is~~ paths are Label Switched ~~Path Paths~~.

10. (Currently Amended) A reservation path optimization method for optimizing a reservation path between specified nodes configuring a network, comprising:

~~a reservation setting step of setting the reservation path paths and a bandwidth for establishing a predetermined session sessions between specified nodes; and~~

~~a re-allocating step of periodically re-setting re-allocating each of the reservation path paths for establishing the reserved sessions set by the reservation setting step on the basis of based on the bandwidth for establishing the reserved sessions set by said reservation path setting the reservation setting step.~~